

WHAT IS CLAIMED IS:

1. A glass composition useful in preparing fiberglass, comprising:

SiO_2	52-62 wt.%
B_2O_3	3.5-5.5 wt.%
CaO	18-25 wt.%
MgO	0.5-4 wt.%
Al_2O_3	10-15 wt.%
Na_2O	0.25-2 wt.%;

and wherein the glass composition has an HTV of no greater than 2300°F and a liquidus temperature at least 150°F less than the HTV temperature.

2. The glass composition of claim 1, wherein the amount of SiO_2 ranges from 53 to 57 wt.%.

3. The glass composition of claim 2, wherein the amount of B_2O_3 ranges from 4 to 5 wt.%.

4. The glass composition of claim 1, wherein the amount of CaO ranges from 20-24 wt.%.

5. The glass composition of claim 1, wherein the amount of MgO ranges from 1-3.5 wt.%.

6. The glass composition of claim 1 wherein the amount of Al_2O_3 ranges from 12-15 wt.%.

7. The glass composition of claim 1, wherein the amount of Na₂O ranges from 0.5-1.5 wt.%.

8. The glass composition of claim 1, wherein the composition contains the following amounts of ingredients:

SiO ₂	53-57 wt.%
B ₂ O ₃	4-5 wt.%
CaO	20-24 wt.%
MgO	1-3.5 wt.%
Al ₂ O ₃	12-15 wt.%
Na ₂ O	0.5-1.5 wt.%.

9. The glass composition of claim 8, wherein the amount of SiO₂ ranges from 54-56 wt.%.

10. The glass composition of claim 8, wherein the amount of CaO ranges from 21-23.5 wt.%.

11. The glass composition of claim 10, wherein the amount of MgO ranges from 1.5-3 wt.%.

12. The glass composition of claim 8, wherein the amount of Al₂O₃ ranges from 14-15 wt.%.

13. The glass composition of claim 1, wherein the HTV is less than 2250°F.

14. The glass composition of claim 1, wherein the HTV is less than 2200°F.

15. The glass composition of claim 1, wherein the liquidus temperature is at least 160°F less than that of the HTV temperature.
16. The glass composition of claim 1, wherein the amount of B₂O₃ ranges from 4.5 to 5.0 wt.%.